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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
08/997,219	12/23/1997	MOTOHIRO YAMAHARA	47964	1038
21874 7	590 08/08/2003			:
EDWARDS & ANGELL, LLP			EXAMINER	
P.O. BOX 9169 BOSTON, MA			PARKER, KENNETH	
			ART UNIT	PAPER NUMBER
			2871	·-

DATE MAILED: 08/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	11 1			
	08/997,219	YAMAHARA ET AL.	W			
Office Action Summary	Examiner	Art Unit				
	Kenneth A Parker	2871				
The MAILING DATE of this communication app P riod for Reply	ears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w. Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	6(a). In no event, however, may a within the statutory minimum of thi ill apply and will expire SIX (6) MOI cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communicati BANDONED (35 U.S.C. § 133).	on.			
1) Responsive to communication(s) filed on 15 N	<u>1ay 2003</u> .					
<u> </u>	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
4) Claim(s) 1,3-8,10,11,13,14,29,31-37 and 48 is	are pending in the applic	cation.				
4a) Of the above claim(s) is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1, 3-8,10,11,13,14,29,31-37 and 48</u> is	/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers O\□ The exceptionation is chicated to by the Examinar						
9) The specification is objected to by the Examiner10) The drawing(s) filed on is/are: a) accep		he Evaminer				
Applicant may not request that any objection to the						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
 Certified copies of the priority documents 	have been received.					
2. Certified copies of the priority documents	have been received in A	application No				
 3. Copies of the certified copies of the prior application from the International Bur * See the attached detailed Office action for a list of the company of the certified copies of the prior application. 	eau (PCT Rule 17.2(a)).					
14) Acknowledgment is made of a claim for domestic	priority under 35 U.S.C.	§ 119(e) (to a provisional applica	ition).			
a) ☐ The translation of the foreign language pro- 15)☐ Acknowledgment is made of a claim for domestic	·					
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	. •			
J.S. Patent and Trademark Office		D				

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-8, 10-11, 13-14, 29, 31-37, and 48 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant has argued that the functional limitation regarding coloring indicates 2 conditions- 1- that the index of refraction dispersion between 650 and 450 is in a range of .020-.025, and that the delta n is in the range of .070-.095. Unfortunately, the claims include explicit broader ranges. If applicants interpretation of the claim is employed, a broad range and a narrow range both exist in the claims., rendering the claims indefinite.

Regarding the conventionality of the claimed ranges and the matching of the index of refraction, the evidence regarding TN type cells is overwhelming. Numerous references have been cited, and more can be cited. To further establish the assertion that these were the typical values at the time of invention.

A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10

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USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949).

Response to Arguments

Applicant's arguments filed have been fully considered but are moot in view of the new grounds of rejection. Regarding the old rejections previously presented, The tilted retarders found with a middle value index tilted to the plane (the Fuji reference) focused on STN and taught away from TN. As the conventionality arguments presented by the Examiner were correct only for TN devices, those rejections have been dropped.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth A Parker whose telephone number is 703-305-6202. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 305-3492. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 308-0956.

Kenneth A Parker Primary Examiner Art Unit 2871

August 7, 2003